

ISSUE 1	DATE NOVEMBER 1993	AWE CARDIFF HEALTH PHYSICS PROCESS INSTRUCTION	PROCESS INSTRUCTION NUMBER 13
Personal Air Sampling Project Be Area			PAGE 1 OF 2

Personal Air Sampler (PAS) pumps must be of a type that will sample at a rate of 2 litres/min (0.12 m³/hour). The sampler head must be of the 37 mm open type.

All PAS must be calibrated on a six monthly basis by the designated Services Technician as per procedure(****), the air flow checked monthly, and a calibration label attached indicating calibration dates. A record of all calibration together with any repairs is to be maintained for each sampler. Any new PAS pump is to be passed to the Services Technician who will allocate a unique number and a record card, which is then placed in the PAS pump record file.

The pumps are allocated on an individual basis indicated by the wearers unique number (spare pumps are available for visitors). All pumps are to be returned to the PAS charging rack at the end of the shift. Should a pump require repair, a spare pump will be allocated until the repair is completed. After repair the pump must be re-calibrated and labelled prior to re-issue.

FILTER PAPER

Whatman size 37mm, Grade 41 Cat No1441037.

ISSUE AND COLLECTION

Before a PAS head is issued it must be visually inspected for the presence of obvious contamination.

Check the calibration date on the sampler. Any sampler that has passed its calibration due date must be removed from service and re-calibrated before re-issue.

If any contamination or damage is detected the head is removed for cleaning or repair. All PAS heads are to be cleaned monthly and smear tested.

The PAS paper is placed in the head of the sampler. This must be done prior to the start of the shift. At the end of the shift the PAS paper is removed from the PAS head, folded and placed in the allocated self seal envelope ready for movement to the Health Physics Laboratory. Transportation of the PAS papers to the laboratory must be done without any rough handling.

Visitors PAS must be issued as above and their name registered against the spare sampler number located on the visitors PAS board near the barrier attendants desk.

ISSUE 1	DATE NOVEMBER 1993	AWE CARDIFF HEALTH PHYSICS PROCESS INSTRUCTION	PROCESS INSTRUCTION NUMBER 13
Personal Air Sampling Project Be Area			PAGE 2 OF 2

The visitors board is to be wiped clean at the end of each shift.

ANALYSIS OF SAMPLES

The PAS papers are to be processed as per Health Physics process No 17, the day after the issue or at the earliest opportunity (e.g. after the weekend). After analysis, any result indicating a level $>1 \text{ ug/m}^3$ is to be reported to the Safety Dept Supervisor immediately.

DATA ENTRY TO COMPUTER

The daily results are to be entered onto the DOGA computer system selecting option No 4 from the main menu, then selecting the Be Personal Air Sampling option.

Daily results must be collected from the computer dept and issued to the area supervisor. Any result $>2 \text{ ug/m}^3$ will be reported via a printout, copies of the printout must be issued to the following:

Safety Supervisor
Area Supervisor
Area Safety Representatives

P BUSHEN SA/HSA